Chenye Ni

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PERSONAL STATEMENT

I am a passionate Master of Information Technology student with over a decade of hands-on programming experience. My journey—from building my first website at age 11, to independently developing a school-wide PHP application in high school, and later self-teaching Swift to launch multiple apps on the App Store—is a testament to my innate dedication to software development. I am eager to channel this passion into a professional internship environment and contribute both my creativity and practical skills to your company's projects.

SKILLS

- Programming Languages: Java, Python, PHP, Swift, Kotlin, JavaScript, TypeScript, C
- Front-end Development: Svelte, React, Vue, HTML5, CSS3, Tailwind CSS
- Back-end & Databases: Node.js, SQLite, MongoDB
- DevOps & Cloud Services: Git, Docker, Railway, Vercel
- Application Security & Reverse Engineering: OLLVM, IDA Pro, Charles, JEB, Frida

EDUCATION

MASTER OF INFORMATION TECHNOLOGY
THE UNIVERSITY OF AUCKLAND
NOV 2024 – CURRENT

- GPA: 8.25 / 9.0
- Relevant Courses: Programming with Web Technologies (A+), Programming for Industry (A+), Software Tools and Techniques (A+), Security for Smart-devices (A+)

BACHELOR OF ECONOMICS IN INSURANCE STUDIES
LANZHOU UNIVERSITY OF FINANCE AND ECONOMICS
SEP 2020 – JUN 2024

- Honours: First-Class University Scholarship, Award for Outstanding Student Leader

PROJECTS

UNWRAP LOVE - DIGITAL GIFT CREATION PLATFORM
MAR 2025 – JUN 2025

- A full-stack MERN platform allowing users to create personalized digital gifts with a rich creative canvas and a real-time collaborative "Moodboard"
- Led the back-end development, architecting and implementing all RESTful APIs and database models using Node.js, Express, and MongoDB
- Engineered the core front-end experience with React and TypeScript, developing the dynamic toolbar, drag-and-drop canvas, and a Undo/Redo mechanism
- Integrated multiple third-party services to enrich functionality, including Firebase for authentication, Spotify for music, Giphy for GIFs, and Grok API for AI image

FULL-STACK BLOG SYSTEM WITH DESKTOP MANAGEMENT CLIENT
DEC 2024 – JAN 2025

- A comprehensive content management system featuring a web application and a dedicated Java-based desktop client for administrative management
- Engineered the back-end service with Node.js and SQLite, implementing RESTful APIs for full CRUD operations on articles, comments, and users

- Developed a responsive and interactive front-end using Svelte, featuring a recursive comment system, lazy-loading for infinite scrolling, and a rich text editor
- Designed and built a standalone Java desktop application with an MVC architecture, enabling administrators to manage users, content, and view system analytics

NENO - MINIMALIST NOTE-TAKING IOS APP
JUN 2024 – JUL 2024

- A minimalist, high-performance note-taking application for iOS, featuring a unique retro-handset aesthetic and a streamlined user experience
- Independently developed the entire application natively for iOS using SwiftUI, from initial concept and UI/UX design to final App Store publication
- Engineered a seamless, multi-device data synchronization solution using CloudKit, ensuring notes are always up-to-date across all of a user's Apple devices
- Implemented user-centric features to boost productivity, including a smart autocomplete for lists, customizable themes, and a polished dark mode

WORK EXPERIENCE
INTERN, TECHNOLOGY & INNOVATION
FOSUN GROUP
JUL 2021 – SEP 2021

- Conducted in-depth industry research on emerging technology trends, including AI, VR, Big Data, and IoT, to identify potential market opportunities
- Leveraged Python for data processing and analysis, generating multiple insightful reports on market dynamics that provided key references for strategic decisions

EXTRA-CURRICULAR ACTIVITIES
FOUNDER & INSTRUCTOR
UNIVERSITY PYTHON INTEREST GROUP
DEC 2020 – JUN 2023

- Initiated and led a Python interest group to empower students from non-technical backgrounds to integrate programming into their respective academic fields
- Mentored over 30 members from basic software installation to practical programming applications in weekly workshops
- Developed practical assessments to track learning progress, enabling members to apply data analysis techniques to real-world problems

INTERESTS
- Creative Media: Digital photography & video production (After Effects, Blender)
- Technology & Tinkering: Exploring emerging tech (Apple Vision Pro, Flipper Zero), building home lab setups (NAS, networking), and 3D printing
- Productivity Systems: Passionate about personal knowledge management and workflow optimization with tools like Arc, Notion, and Raycast
- Strategy & Learning: Competitive chess and listening to podcasts